527 Rec'd PCT/PTO OF COMMERCE PATENT AND TRADEMARK OFFICE FORM PTO-1390 (Modified) (REV 10-95) 141 m.0332U2 TRANSMITTAL LETTER TO THE UNITED STATES U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 1.5) DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371 INTERNATIONAL FILING DATE INTERNATIONAL APPLICATION NO. 3 June 1999 4 June 1998 PCT/US99/12298 TITLE OF INVENTION NUCLEIC ACID VACCINES FOR PREVENTION OF FLAVIVIRUS INFECTION APPLICANT(S) FOR DO/EO/US CHANG, Gwong-Jen, J. Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 2. This is an express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay 3. examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1). A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date. 4. A copy of the International Application as filed (35 U.S.C. 371 (c) (2)) a. — is-transmitted-herewith-(required-only-if-not-transmitted-by-the_International_Bureau) has been transmitted by the International Bureau. is not required, as the application was filed in the United States Receiving Office (RO/US). A translation of the International Application into English (35 U.S.C. 371(c)(2)). A copy of the International Search Report (PCT/ISA/210). Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) are transmitted herewith (required only if not transmitted by the International Bureau). , þ. 🗀 have been transmitted by the International Bureau. have not been made; however, the time limit for making such amendments has NOT expired. have not been made and will not be made. The translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 10. An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)). 11. A copy of the International Preliminary Examination Report (PCT/IPEA/409). A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)). 12. Items 13 to 18 below concern document(s) or information included: An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 13. П 14. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. A FIRST preliminary amendment. 15. A SECOND or SUBSEQUENT preliminary amendment. 16. A substitute specification. 17. A change of power of attorney and/or address letter. 18. Certificate of Mailing by Express Mail EL491586867US 19. Other items or information: Return Postcard

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u.s. application no. (7015 1.5)	INTERNATIONAL APPLICATION NO. PCT/US99/12298			ATTORNEY'S DOCKET NUMBER 14114.0332U2	
20. The following fees are submitted:					LCULATIONS	PTO USE ONLY
BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):						
Search Report has been prepared by the EPO or JPO						
☐ International preliminary examination fee paid to USPTO (37 CFR 1.482)						
□ No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37 CFR 1.445(a)(2)) \$760.00						
☐ Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2) paid to USPTO						
International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4)					_	
ENTER APPROPRIATE BASIC FEE AMOUNT =					\$860.00	
Surcharge of \$130.00 for furnishing the oath or declaration later than Declaration to Declaration Decl					\$130.00	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE			
Total claims	34 - 20 =	14	x \$18.00	<u> </u>	\$252.00	
Independent claims	4 - 3 =	1	x \$80.00	 	\$80.00	
Multiple Dependent Claims (check if applicable).				 	\$0.00	
Reduction of 1/2 for filing by small entity, if applicable. Verified Small Entity Statement				ļ	\$1,322.00	
Reduction of 1/2 for filing in the filed (Note in the filed (Note in the filed in t	ng by small entity, if applice 37 CFR 1.9, 1.27, 1.28) (c	heck if applicable).			\$0.00	
		SUB	TOTAL =	<u> </u>	\$1,322.00	-
Processing fee of \$130.00 for furnishing the English translation later than 20 30 to the earliest claimed priority date (37 CFR 1.492 (f)).					\$0.00	
TOTAL NATIONAL FEE =					\$1,322.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable).					\$0.00	
TOTAL FEES ENCLOSED =					\$1,322.00	
					ount to be: refunded	\$
						\$
A check in the amount of \$1,322.00 to cover the above fees is enclosed. Please charge my Deposit Account No. in the amount of A duplicate copy of this sheet is enclosed.					o cover the above	e fees.
The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. 14-0629 A duplicate copy of this sheet is enclosed. NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.						
SEND ALL CORRESPO	ONDENCE TO:		\mathcal{N}_{ℓ} .	~	1 no	
Attn: Mary L. Miller, Esq. SIGNATURE				4.	1 mile	
NEEDLE & ROSENBERG, P.C.						
127 Peachtree Street, N.E., Suite 1200 Atlanta GA 30303 US				HLLI	ER	
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CERTIFICATE OF EXPRESS MAILING

I hereby certify that the U.S. National Phase Application in the name of: Gwong-Jen, J. Chang consisting of: Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) Concerning a Filing Under 35 U.S.C. 371 PTO Form 1390 (2 Pages); A copy of the International Search Report; A copy of the International Preliminary Examination Report; a Check in the amount of \$1,322.00 to cover filing fees; and a return postcard for "NUCLEIC ACID VACCINES FOR PREVENTION OF FLAVIVIRUS INFECTION" are being deposited with the United States Postal Service as Express Mailing No. EL491586867US in an envelope addressed to: Assistant Commissioner for Patents, Box PCT (IPEA/EP), Washington, D.C. 20231, on this **29th** day of **NOVEMBER 2000**.

EVERARDO MCFARLANE

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